**Chemistry Intro to Chemistry & Analyzing Data (Chapters 1& 2 Outline)**

***AS YOU READ, RESPOND TO THE FOLLOWING:***

*Vocabulary*: **Define in your own words**

Substance-

Ozone-

Qualitative Data-

Quantitative Data-

Density-

Graph-

Respond to the prompts below:

Compare and contrast a control and a constant in an experiment. Provide an example of each from a hypothetical experiment. (2 pts)

How do pure research and apply research compare and contrast? Explain. (2 pts)

How is dimensional analysis used for unit conversion? Explain. (2 pts)

Compare and contrast accuracy and precision. Describe a scenario where you can be precise, but not accurate. (3 pts)

What are the rules for significant figures and how can they be used to expressed uncertainty in measured and calculated values? Explain. (5 pts)

***ABOUT THE READING:***

Write three things that you learned about Analyzing Data*:*

***Make sure to write a full sentence.***

*Example: I learned that the non-zero numbers are always significant when reporting digits in a calculation.*

*1.*

*2.*

*3.*

***Assigned work****: Chapter 2 assessment, problems #77, 78 (a-e), 79 (a-e), 91, 100 (a-c), 103*